

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG — ELECTRIC LOGS — FILE ☒ WATER SANDS — LOCATION INSPECTED — SUB. REPORT/ADD.

* Location Abandoned # 8-11-81

* Application was resented by U.S.G.S.

DATE FILED 12-12-79

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN 14-20-603-247-A

DRILLING APPROVED: 12-20-79

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 8-11-81

FIELD: Greater Aneth 386

UNIT: Ratherford

COUNTY: San Juan

WELL NO. Ratherford Unit 13-23

API NO: 43-037-30520

LOCATION 1910' FT. FROM ~~XX~~ (S) LINE.

1860' FT. FROM ~~XX~~ (W) LINE.

NE SW

1/4-1/4 SEC. 13

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				41S	23E	13	PHILLIPS PETROLEUM CO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PHILLIPS PETROLEUM COMPANY

3. ADDRESS OF OPERATOR

P.O. BOX 2920, CASPER, WYOMING 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1910' FSL, 1860' FWL, (NE SW)

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5 1/2 Miles South of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED* 7/8 mile from Rather-
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. ford Unit Lease Line
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.1200' from
#13-13

16. NO. OF ACRES IN LEASE

1600

19. PROPOSED DEPTH

5700'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4599 UNGRADED GROUND

22. APPROX. DATE WORK WILL START*

APRIL -1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	100'	100 CU. FT. (TO SURFACE)
12 1/4"	8 5/8"	24#	1600'	1000 CU. FT. (TO SURFACE)
7 7/8"	5 1/2"	14#	5700'	250 CU. FT. (1000' FILL-UP)

APPROVAL IS REQUESTED TO DRILL THIS DESERT CREEK DEVELOPMENT OIL WELL TO INCREASE
THE ULTIMATE RECOVERY FROM THE RATHERFORD UNIT.

BOP EQUIPMENT WILL BE OPERATED DAILY AND TESTED WEEKLY.

RECEIVED

DEC 12 1979

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE OPERATIONS SUPT. DATE 12-07-79

(This space for Federal or State office use)

PERMIT NO. 43-037-30520

APPROVAL DATE 12/19/79

APPROVED BY _____ TITLE _____ DATE _____

CC: CONDITIONS OF APPROVAL, IF ANY:

3-USGS-Farmington, NM

2-UTAH O&GCC-S.L.C., UT

1-Bartlesville Production

1-J.P. Denny

1-T.M. Isaacs

*See Instructions On Reverse Side

COMPANY PHILLIPS PETROLEUM COMPANY

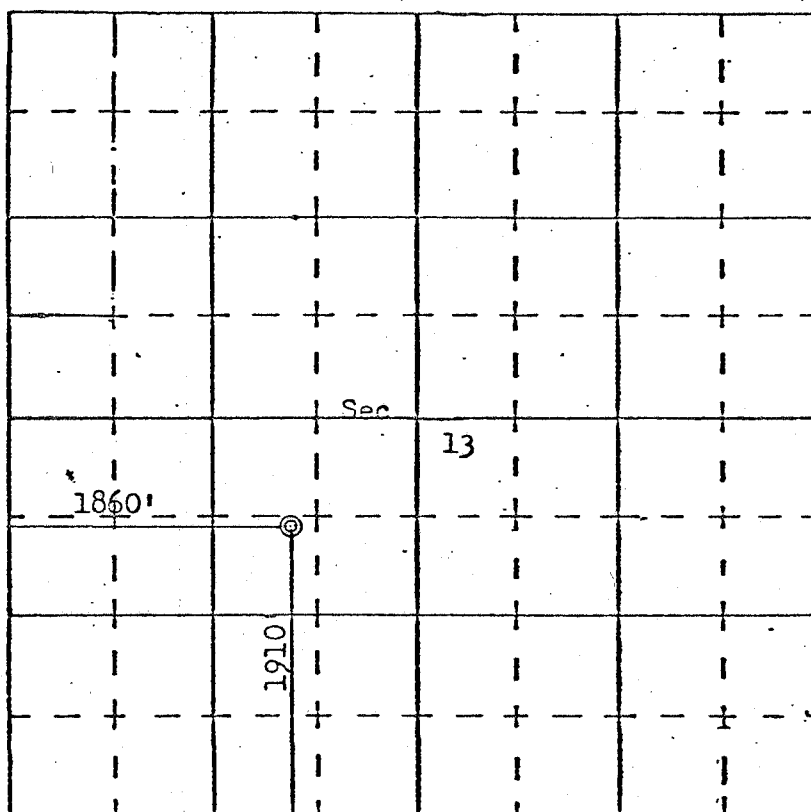
LEASE RATHERFORD UNIT WELL NO. 13-23

SEC. 13, T 41S, R 23E

SAN JUAN COUNTY, UTAH

LOCATION 1910'ESL 1860'EWL

ELEVATION 4599 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

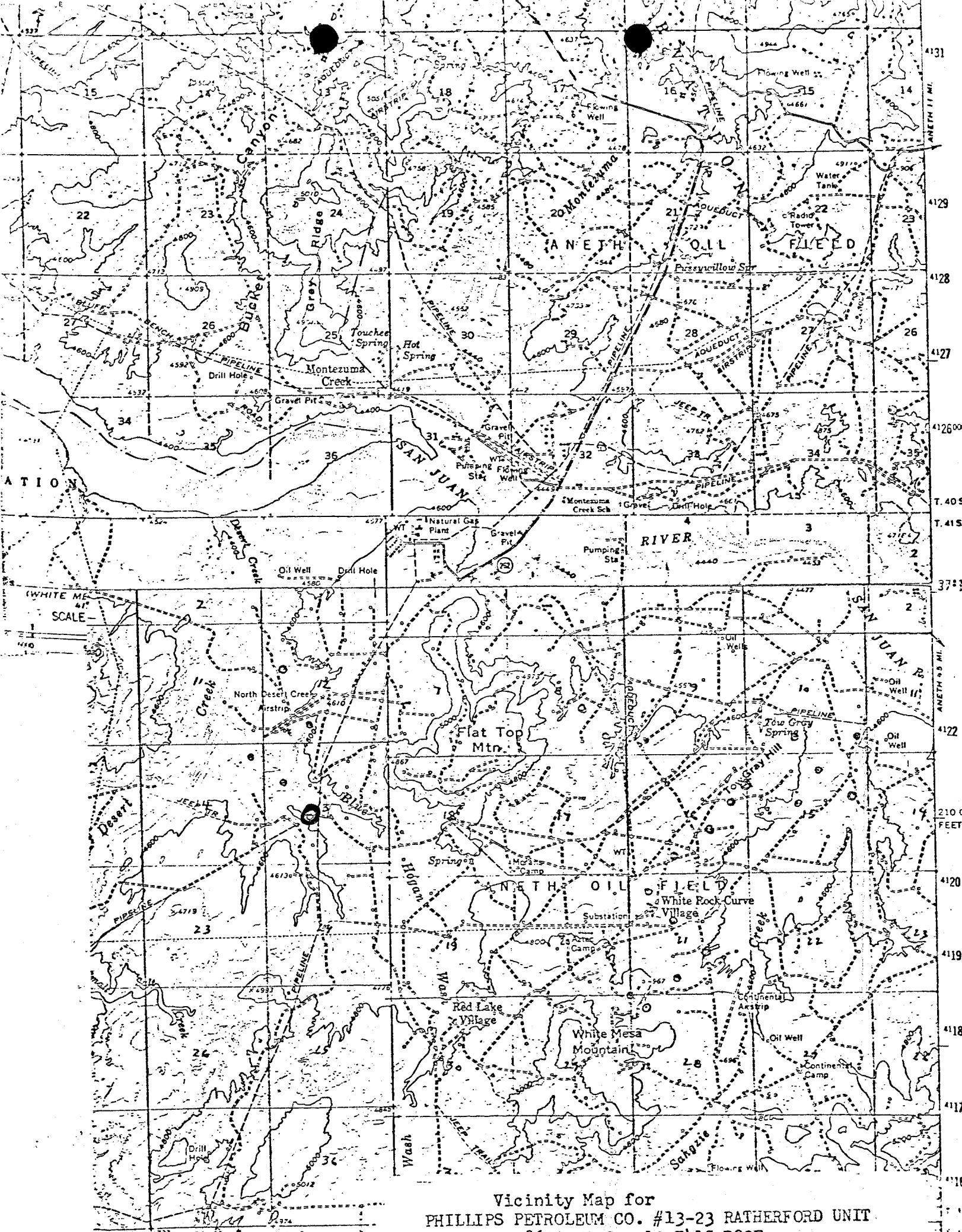
Fred B. Kerr Jr.
Fred B. Kerr Jr.

SEAL:

Registered Land Surveyor.

#3950

SURVEYED May 22 1978



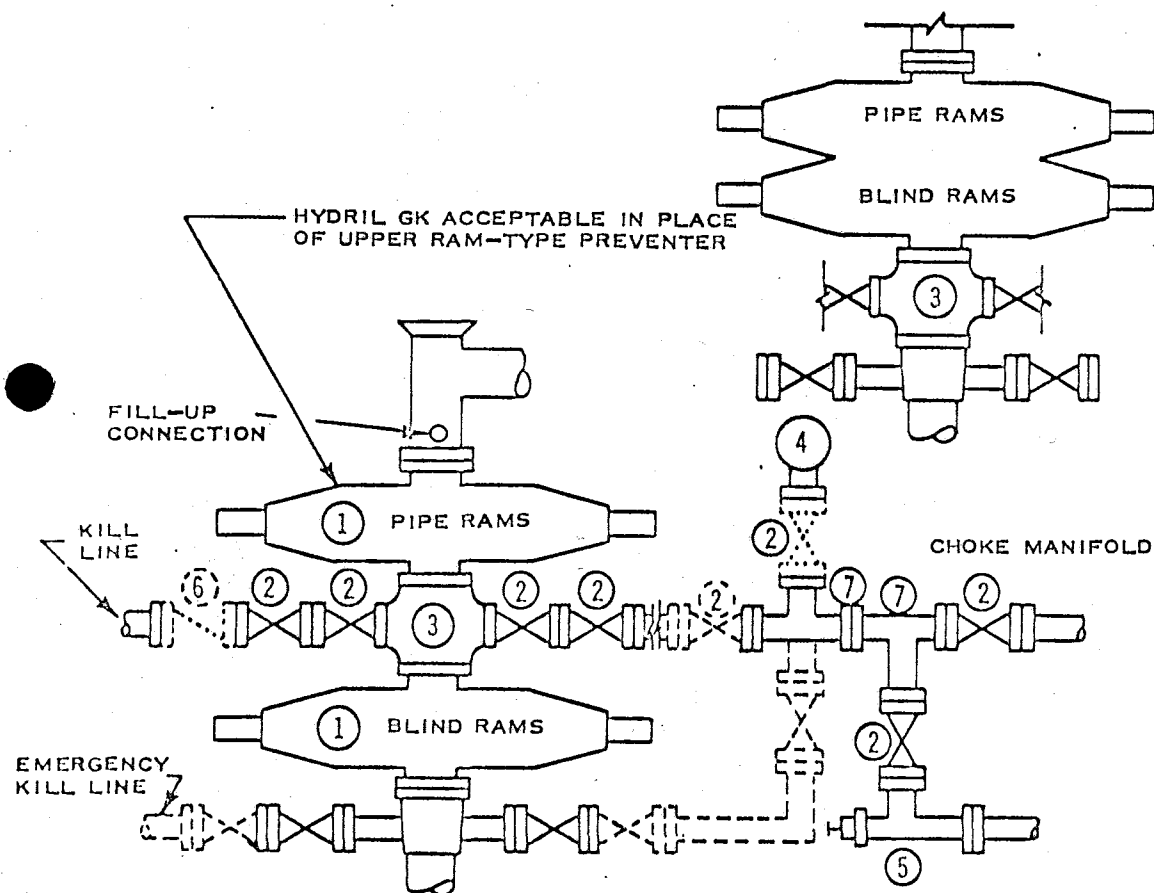
Vicinity Map for
 PHILLIPS PETROLEUM CO. #13-23 RATHERFORD UNIT
 1910' FSL 1860' FWL Sec 13-THIS-R23E

ESTIMATED FORMATION TOPS FOR RATHERFORD UNIT

WELL # 13-23

CHINLE.....	1,320'
MOENKOPI.....	2,169'
CUTLER.....	2,288'
HERMOSA.....	4,339'
PARADOX.....	5,345'

DOUBLE PREVENTER OPTION



- ① SERIES 900 RAM-TYPE BOP
- ② 2" SERIES 900 VALVE
- ③ SERIES 900 DRILLING SPOOL
- ④ 2" MUD PRESSURE GAUGE
- ⑤ 2" SERIES 900 CHOKE
- ⑥ 2" SERIES 900 CHECK VALVE
- ⑦ 2" SERIES 900 STEEL TEE

NOTES:

1. 3000 PSI WP CLAMP HUBS MAY BE SUBSTITUTED FOR FLANGES
2. VALVES MAY BE EITHER HAND OR POWER OPERATED BUT, IF POWER OPERATED, THE VALVES FLANGED TO THE BOP RUN MUST BE CAPABLE OF BEING OPENED AND CLOSED MANUALLY OR CLOSE ON POWER FAILURE AND BE CAPABLE OF BEING OPENED MANUALLY

..... OPTIONAL EQUIPMENT

PHILLIPS PETROLEUM COMPANY

3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP
(SERIES 900 FLANGES OR BETTER)

December 7, 1979



PHILLIPS PETROLEUM COMPANY

P.O. Box 2920
Casper, Wyoming 82602

RE: Phillips Ratherford Unit
San Juan Co. Utah
Infill drilling

United States Dept. Of Interior
Geological Survey
P.O. Box 959
Farmington, N.M. 87401

ATTN: Mr. J. Sims, Dist. Engr.

Dear Mr. Sims:

The following multi-point surface use and operations plan covering the drilling, completion and operation of development well, Ratherford Unit 13-23, operated by Phillips Petroleum Co. is submitted for your approval.

1. Existing lease roads are shown on the attached area lease road map. Access to existing lease roads is south of the town of Montezuma Creek, Utah.
2. Planned access roads are shown on the attached maps. No new road construction will be required. No fences or cattleguards are crossed by access roads to the proposed location.
3. Locations of existing wells are shown on the attached maps.
4. Production from the proposed well will be piped to the Ratherford Unit, Header #13, located in the NW/4 Sec. 13-41S - 23E San Juan Co. Utah. The flow line will be of welded steel construction and parallel the existing road. The produced fluid then goes from Header #13 to the Ratherford Unit Battery #2.
5. Drilling water will be trucked from the SE/4 Sec. 5 -41S -24E San Juan Co., Utah; at existing wells, the water is pumped through an existing line to the proposed loading point.
6. All construction materials will be native soil from the drilling location.
7. Waste material will be disposed of in a burial pit located on the drilling location. The pit will be approximately 10' X 20' X 10' and will be fenced with small mesh wire, during drilling operations. The drilling location will be cleared of all trash and burial pit covered immediately after moving the drilling rig off location.

Drilling fluids and cuttings will be held in a fenced unlined reserve pit until dry enough to cover, upon abandonment, the reserve pit area will be formed to the natural topography and seeded.

A dry chemical toilet will be used during drilling operations.

8. No ancillary facilities are needed.

Page Two

Mr. J. Sims, Dist. Engr.

RE: Infill drilling-Ratherford Unit

9. A typical well-site layout is attached. Laydown of the rotary drilling rig will be to the South-East.
10. All disturbed areas, not needed for production operations, will be shaped to the natural topography and seeded.
11. The proposed drilling location is composed of sandy soil and rounded rocks. The location has a gentle slope from South-West to the North-East.

Vegetation in the area is bitter brush, snake weed, yucca, and sparce grass.

The proposed drilling location and all access roads are on the Navajo Indian Reservation.

An Archeological survey of the proposed well site has been completed and clearance has been granted. (Ref: Dept. of Interior; H-24 (SWR) CR).

12. Lessee's or operator's representative:
T.M. Isaacs
P.O. Box 1150
Cortez, CO 81321
Phone: 303-565-3426

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access road; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by drilling company awarded the drilling contract and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

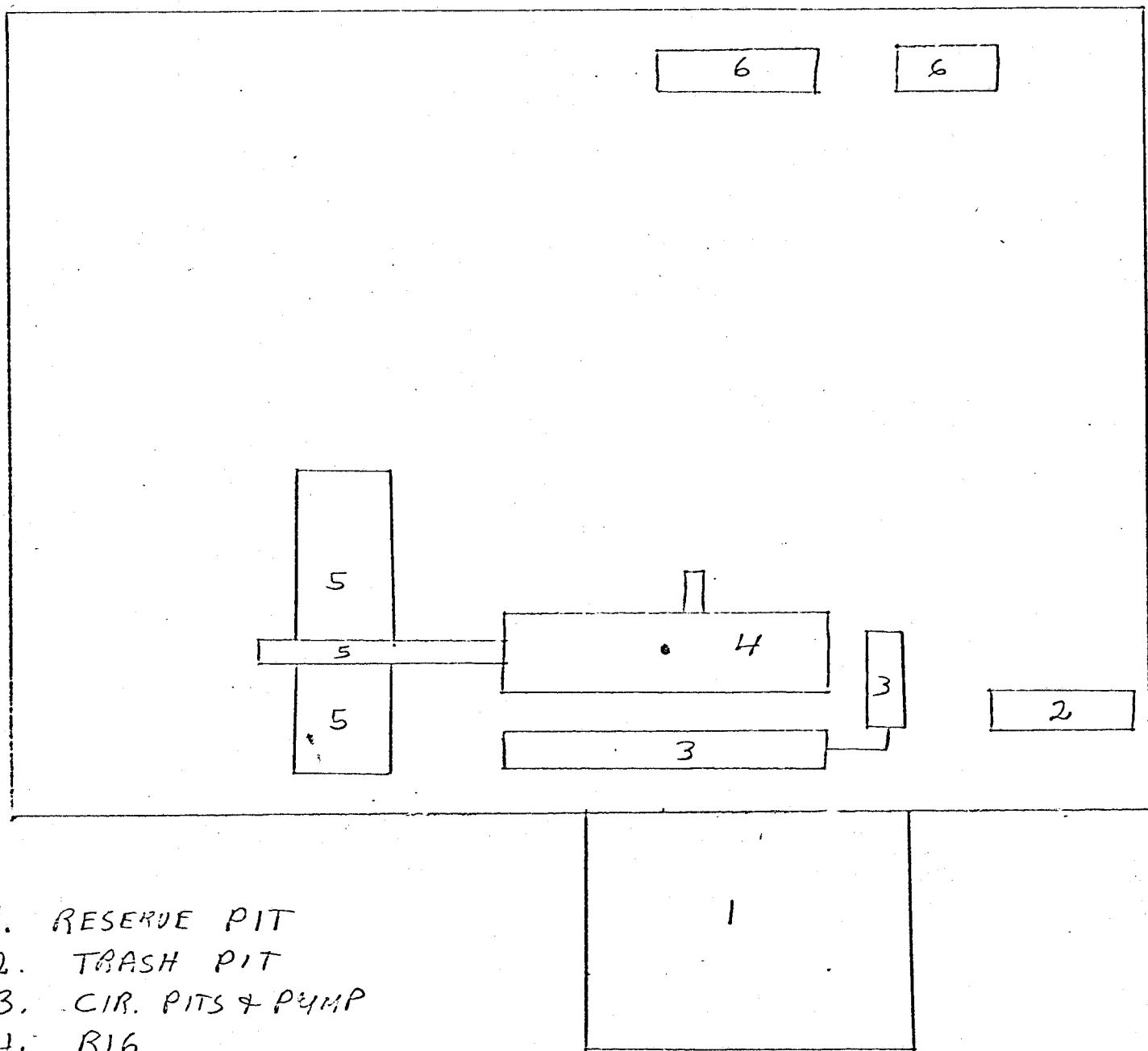
DATE

12-07-79

D.J. FISHER, OPERATIONS SUPT.

RATHERFORD UNIT WELL NO. 13-23

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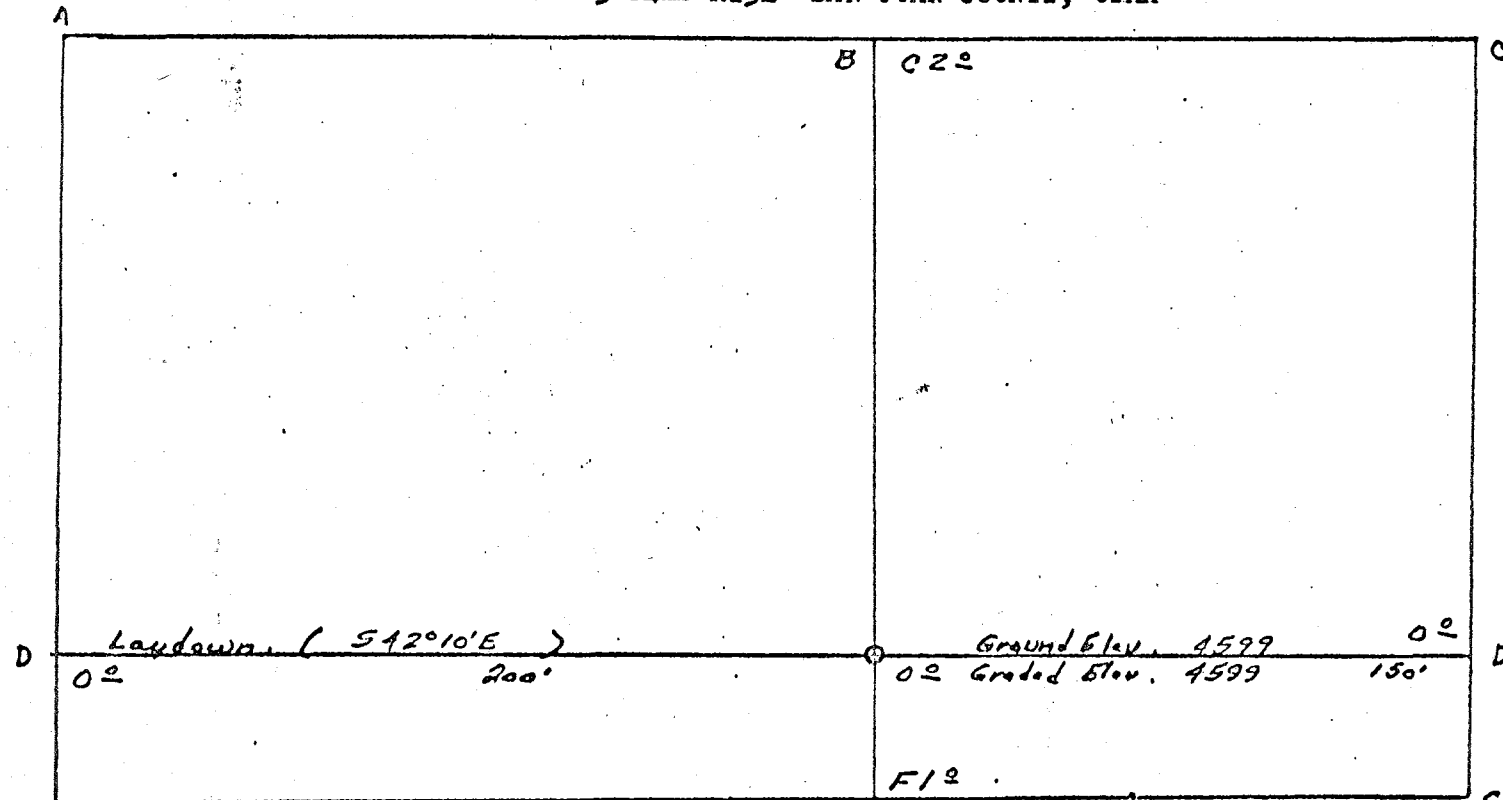


1. RESERVE PIT
2. TRASH PIT
3. CIR. PITS & PUMP
4. RIG
5. CATWALK & PIPE RACKS
6. TRAILERS

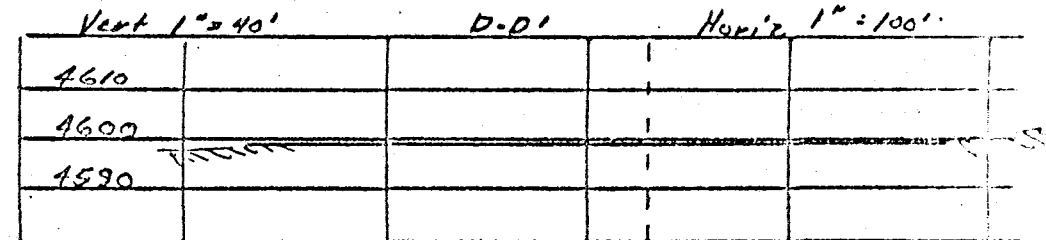
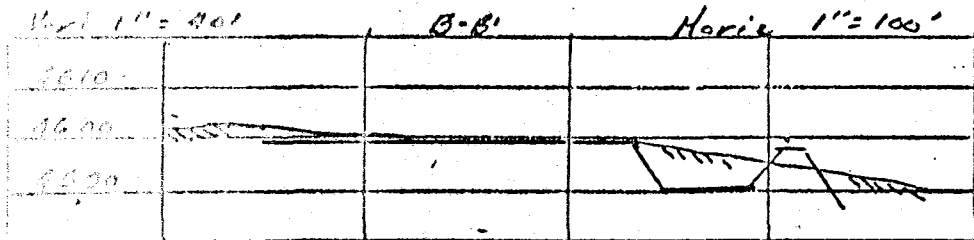
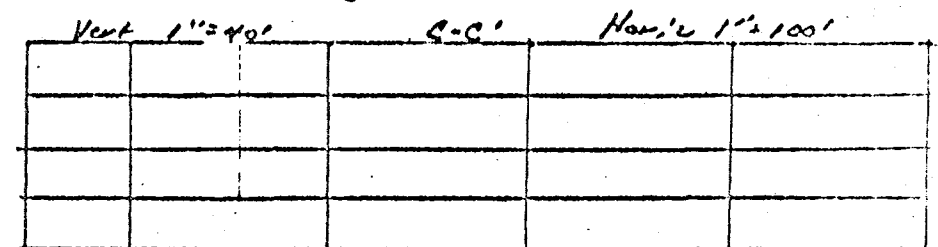
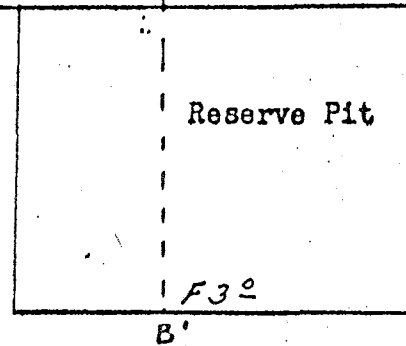
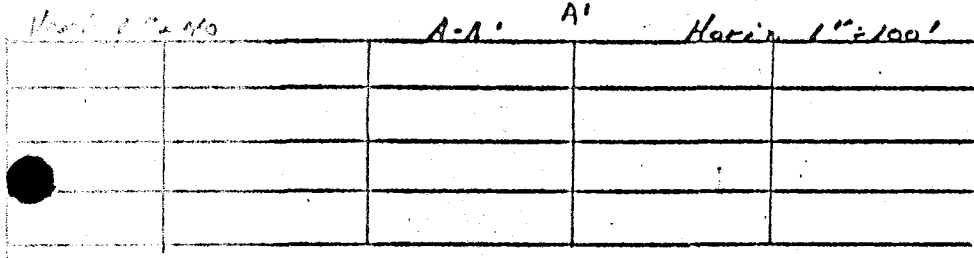
TYPICAL RATHERFORD UNIT DRILLING RIG LAYOUT

OUTLINE OF LOCATION APPROXIMATELY 250' X 350'
NO SCALE ON UNITS

PHILLIPS PETROLEUM COMPANY #13-23 RATHERFORD UNIT
1910' FSL 1860' FWL Sec 13-T41S-R23E--SAN JUAN COUNTY, UTAH

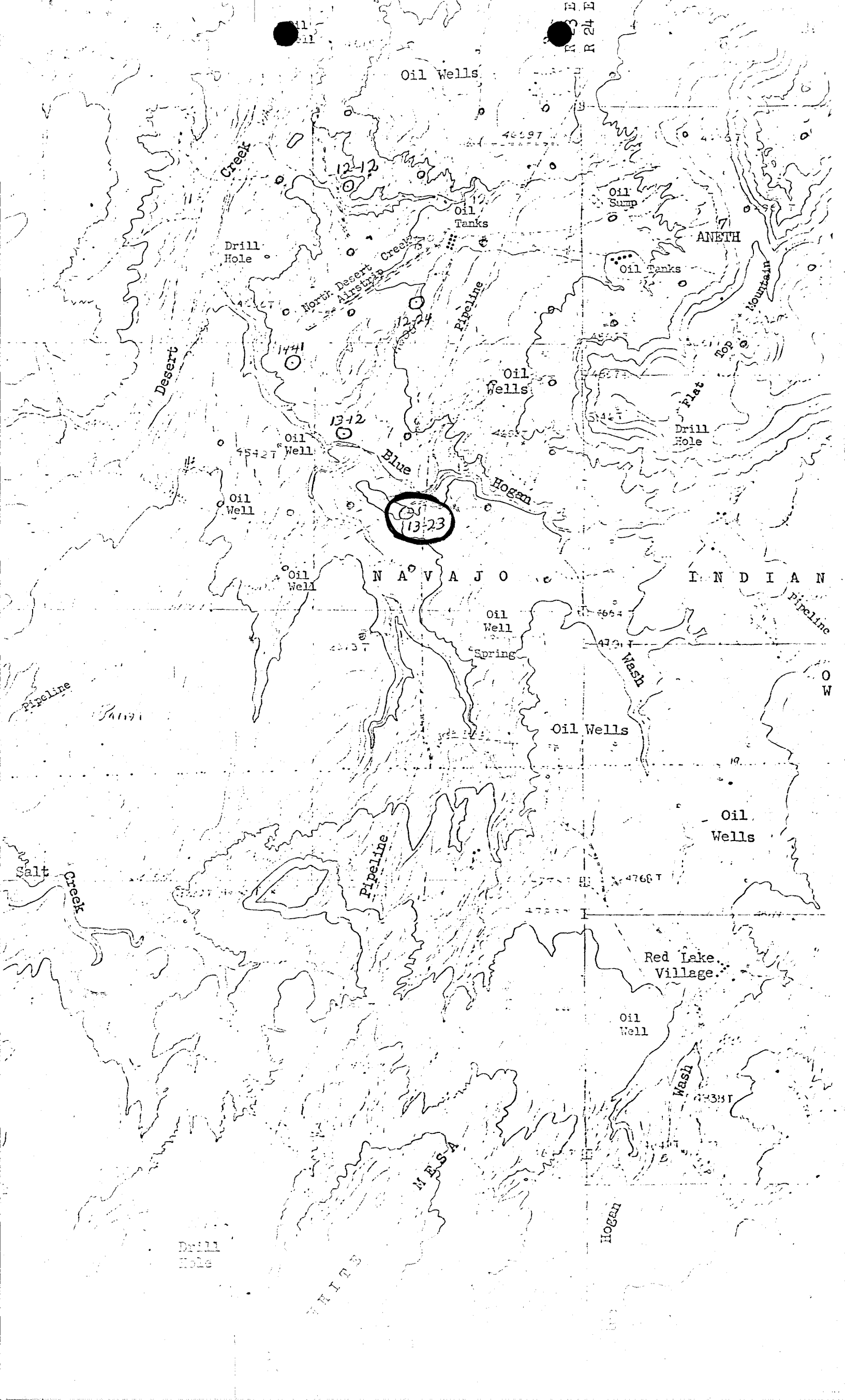


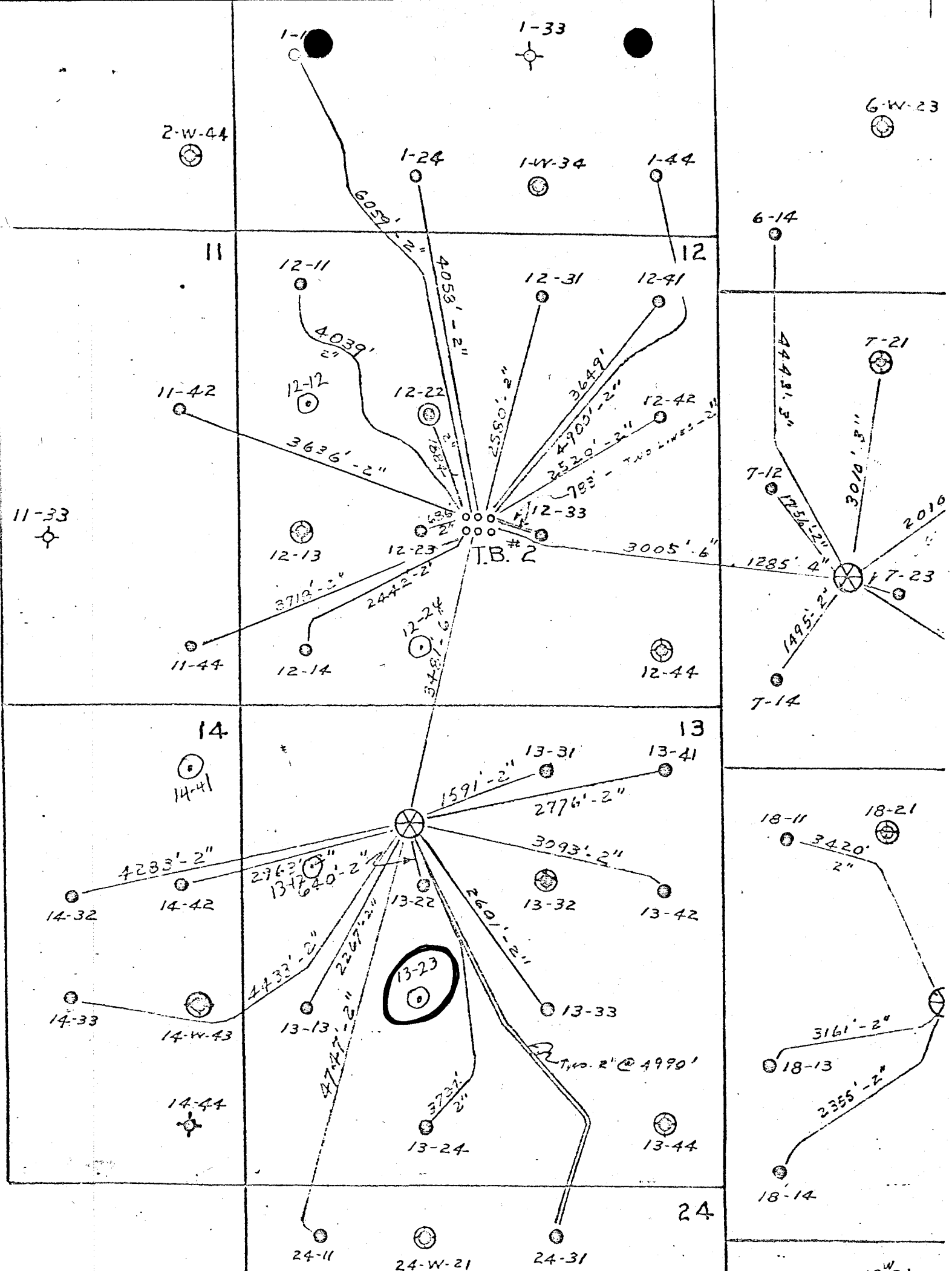
Scale: 1" = 50'



Kerr Land Surveying
Date: May 22, 1978

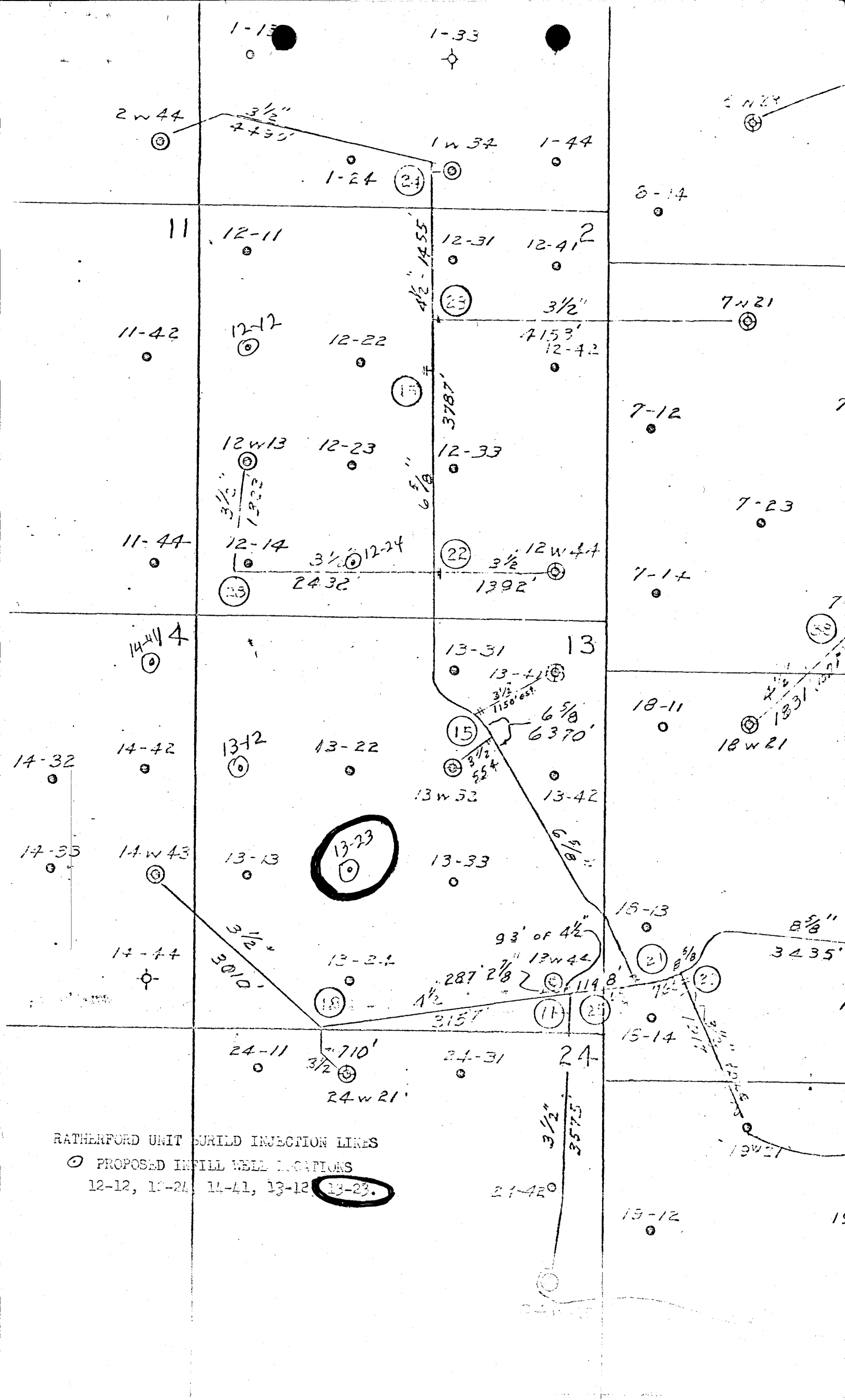
[Signature]





RATHLEFORD UNIT SURFACE LEAD LINES

- PROPOSED INFILL WELL LOCATIONS
- 12-12, 12-24, 14-41, 13-12, **13-23**



** FILE NOTATIONS **

DATE: December 13, 1979

Operator: Phillips Petroleum Company

Well No: Lathford Unit #13-23

Location: Sec. 13 T. 41S R. 23E County: San Juan

File Prepared: ☐

Entered on N.I.D.: ☐

Card Indexed: ☐

Completion Sheet: ☐

☐ API Number 43-037-30520

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: F. M. Vint

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation And ☐

Plotted on Map ☒

Approval Letter Written ☒

ltm

Unit
approval

PI
hl

December 20, 1979

Phillips Petroleum Company
P.O. Box 2920
Casper, Wyoming 82602

Re: Well No. Ratherford Unit #13-23
Sec. 13, T. 41S, R. 23E.,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. HINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30520.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Hinder
Geological Engineer

/b:tm

cc: USGS

1. Well No. Ratherford Unit 13-12
Sec. 13, T. 41S, R. 23E
San Juan County, Utah
2. Well No. Ratherford Unit 13-23
Sec. 13, T. 41S, R. 23E
San Juan County, Utah
3. Well No. Ratherford Unit 15-31
Sec. 15, T. 41S, R. 24E
San Juan County, Utah

July 20, 1981

Phillips Petroleum Company
P. O. Box 2920
Casper, Wyoming 82602

Re: See Attachment

Gentlemen:

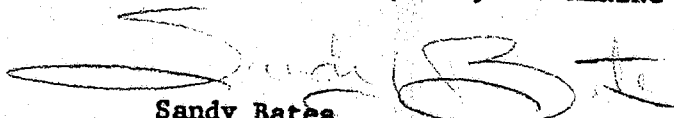
In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling these locations at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING


Sandy Bates
Clerk-Typist

/lm

Location Abandoned
eff. 8-11-81

1. Well No. Ratherford Unit 13-12
Sec. 13, T. 41S, R. 23E
San Juan County, Utah
2. Well No. Ratherford Unit 13-23
Sec. 13, T. 41S, R. 23E
San Juan County, Utah
3. Well No. Ratherford Unit 15-31
Sec. 15, T. 41S, R. 24E
San Juan County, Utah